

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of the claims in the application:

### **Listing of Claims:**

1 – 32 (Cancelled)

33. (Cancelled)

34. (Currently Amended) ~~The broadband multimedia system according to claim 33, further comprising~~ Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network; and a policy database, connected to said communication bus, said session manager producing said routing instructions at least according to policy information retrieved from said policy database.

35. (Original) The broadband multimedia system according to claim 34, wherein said policy database includes at least general policy rules.

36. (Original) The broadband multimedia system according to claim 34, wherein said policy database includes at least network policy rules.

37. (Currently Amended) ~~The broadband multimedia system according to claim 33, further comprising~~ Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media

sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network; and a bandwidth utilization detection unit, connected to said communication bus, said session manager producing said routing instructions at least according to bandwidth utilization information received from said bandwidth utilization detection unit.

38. (Cancelled).

39. (Currently Amended) ~~The broadband multimedia system according to claim 33, further comprising~~ Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network; and a dynamic network restructuring unit, connected to said communication bus, wherein said network transmitters are further connected to said communication bus, wherein said dynamic network restructuring unit provides channel managing commands to each said network transmitters, receiving data from said router.

40. (Currently Amended) ~~The broadband multimedia system according to claim 33~~ Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network, wherein said session manager receives a plurality of session requests, for executing a session through said broadband multimedia system, said

session manager either allows or denies each said session requests, said session manager provides resource allocation parameters for each said allowed sessions.

41. (Currently Amended) ~~The broadband multimedia system according to claim 33~~  
Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network, further comprising an RF switch, connected to said communication bus and further between said network transmitters and a plurality of RF combiners, said RF switch directing RF signals from selected ones of said network transmitters to selected ones of said RF combiners.

42. (Original) The broadband multimedia system according to claim 41, further comprising a dynamic network restructuring system, connected to said communication bus, said dynamic network restructuring system providing switching commands to said RF switch for directing said RF signals.

43. (Currently Amended) ~~The broadband multimedia system according to claim 33~~  
Broadband multimedia system comprising: a communication bus; a router, connected to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network, wherein at least selected ones of said network transmitters are QAM units.

44. (Currently Amended) ~~The broadband multimedia system according to claim 33~~  
Broadband multimedia system comprising: a communication bus; a router, connected

to said communication bus and further between a plurality of media sources and a plurality of network transmitters; a session manager, connected to communication bus, said session manager providing routing instructions to said router, for directing data received from said media sources to said network transmitters for transmitting over a broadband network, wherein said broadband network is an HFC network.

45. (Currently Amended) The broadband multimedia system according to claim ~~33~~ 34, wherein said broadband network is a DSL network.

46. (Currently Amended) The broadband multimedia system according to claim ~~33~~ 34, wherein said broadband network is a satellite network.

47. (Currently Amended) The broadband multimedia system according to claim ~~33~~ 34, wherein said broadband network is a wired network.

48. (Currently Amended) The broadband multimedia system according to claim ~~33~~ 34, wherein said broadband network is a wireless network.

49. (Original) Network session management system comprising: a session manager, coupled to at least one application manager, and at least one policy database, said session manager receiving session requests, said session manager denies a selected one of said session requests when detecting non-compliance of said selected session request with at least a selected policy rule retrieved from said at least one policy database.

50. (Original) The network session management system according to claim 49, further comprising a shared area manager, coupled to said session manager, said shared area manager producing a session denial indication when detecting non-compliance of said selected session request with predetermined shared area policy rules.

51. (Original) The network session management system according to claim 50, further

comprising a dynamic network restructuring unit, coupled to said shared area manager, said dynamic network restructuring unit producing a session denial indication when detecting that the bandwidth required in said session request is greater than available network bandwidth.

52. (Original) The network session management system according to claim 51, wherein said network restructuring unit determines network resources to session request session denial indication when detecting that the bandwidth required in said session request is greater than the available network bandwidth.

53. (Original) The network session management system according to claim 52, wherein said session manager authorizes said selected session request when detecting compliance with said selected policy rules retrieved from said at least one policy database and receiving a session approval indication from said shared area manager, said session manager further assigning said determined network resources to said session request and available network bandwidth.

54. (Original) The network session management system according to claim 49, wherein said session manager is further coupled to an out of band manager, said session manager receiving at least one of said session requests from said out of band manager.

55. The network session management system according to claim 49, wherein said at least one policy database is selected from the list consisting of: a general policy database; a network policy database; a sub-network policy database; a target policy database; and an external application policy database.

56. (Original) The network session management system according to claim 49, wherein said session manager is further coupled to additional information resources, said session manager denies a selected one of said session requests when detecting noncompliance of said selected session request with at least a selected parameter

retrieved from said additional information resources.

57 - 97 (Cancelled)

98. (New) The broadband multimedia system according to claim 37, wherein said broadband network is a DSL network.

99. (New) The broadband multimedia system according to claim 37, wherein said broadband network is a satellite network.

100. (New) The broadband multimedia system according to claim 37, wherein said broadband network is a wired network.

101. (New) The broadband multimedia system according to claim 37, wherein said broadband network is a wireless network.

102. (New) The broadband multimedia system according to claim 39, wherein said broadband network is a DSL network.

103. (New) The broadband multimedia system according to claim 39, wherein said broadband network is a satellite network.

104. (New) The broadband multimedia system according to claim 39, wherein said broadband network is a wired network.

105. (New) The broadband multimedia system according to claim 39, wherein said broadband network is a wireless network.

106. (New) The broadband multimedia system according to claim 40, wherein said broadband network is a DSL network.

107. (New) The broadband multimedia system according to claim 40, wherein said broadband network is a satellite network.

108. (New) The broadband multimedia system according to claim 40, wherein said broadband network is a wired network.

109. (New) The broadband multimedia system according to claim 40, wherein said broadband network is a wireless network.

110. (New) The broadband multimedia system according to claim 42, wherein said broadband network is a DSL network.

111. (New) The broadband multimedia system according to claim 42, wherein said broadband network is a satellite network.

112. (New) The broadband multimedia system according to claim 42, wherein said broadband network is a wired network.

113. (New) The broadband multimedia system according to claim 42, wherein said broadband network is a wireless network.

114. (New) The broadband multimedia system according to claim 43, wherein said broadband network is a DSL network.

115. (New) The broadband multimedia system according to claim 43, wherein said broadband network is a satellite network.

116. (New) The broadband multimedia system according to claim 43, wherein said broadband network is a wired network.

117. (New) The broadband multimedia system according to claim 43, wherein said broadband network is a wireless network.

118. (New) The broadband multimedia system according to claim 44, wherein said broadband network is a DSL network.

119. (New) The broadband multimedia system according to claim 44, wherein said broadband network is a satellite network.

120. (New) The broadband multimedia system according to claim 44, wherein said broadband network is a wired network.

121. (New) The broadband multimedia system according to claim 44, wherein said broadband network is a wireless network.